JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 395

AUTHOR INDEX

Affolter, S., (395) 231
Albinati, A., (395) 231
Al-Hassan, M.I., (395) 227
Arif, A.M., (395) 219

Barrau, J., (395) 27
Blom, R., (395) 69
Bobrovskii, S.I., (395) 121
Boese, R., (395) 39
Böhme, P., (395) 341
Bueno, C., (395) 85
Bundel, Yu.G., (395) 121

Carrondo, M.A.A.F. de C.T., (395) 279
Caygill, G.B., (395) 359, 375
Chang, C.-J., (395) C47
Churchill, M.R., (395) 85
Corriu, R.J.P., (395) 1

Davies, S.G., (395) C39
Dias, A.R., (395) 279
Donaldson, W.A., (395) 113, 187
du Mont, W.-W., (395) C23

Edelmann, F.T., (395) C26

Field, J.S., (395) C9, C16
Finch, H., (395) C5
Font-Bardía, M., (395) 305
Fritz, M., (395) C30

Gallop, M.A., (395) 333
Garcia, M.H., (395) 279
Gehrke, J.-P., (395) 341
Ghedini, M., (395) 105
Goh, L.Y., (395) 269
Greaves, M.R., (395) 167
Green, M.L.H., (395) 279

Haines, R.J., (395) C9, C16
Hambley, T.W., (395) 269
Hamida, N.Ben, (395) 27
Hamor, T.A., (395) 167
Herberhold, M., (395) 195, 207, 315, 327
Herrmann, W.A., (395) 55, 69
Higgins, J., (395) 279
Hill, A.F., (395) 195, 207, 315, 327, C35
Honrath, U., (395) C9

Isobe, K., (395) 47

Jacobsen, G.E., (395) C1
Jay, J.A., (395) C16

Kiprof, P., (395) 55, 69
Köttnitz, J., (395) 341
Kpoton, A., (395) 1
Kuchler, J.G., (395) 55

Lang, H., (395) C30
Lee, C.C., (395) 293
Leise, M., (395) C30
Lobana, T.S., (395) 167

Mailvaganam, B., (395) 177
Mathieu, R., (395) 305
Matias, P.M., (395) 279
Mbogo, S.A., (395) 167
McGlinchey, M.J., (395) 177
McWhinnie, W.R., (395) 167
Moldes, I., (395) 305
Mont, W.-W. du, (395) C23
Mori, M., (395) 255
Munz, C., (395) C42

Owen, D.A., (395) C5

Piórko, A., (395) 293
Poirier, M., (395) 1
Pregosin, P.S., (395) 231
Pucci, D., (395) 105

Raharinirina, A., (395) 39
Raston, C.L., (395) C1
Recknagel, A., (395) C26
Reid, R.S., (395) 293
Rheingold, A.L., (395) 85
Rickard, C.E.F., (395) 333
Riede, J., (395) 55
Robalo, M.P., (395) 279
Roper, W.R., (395) 333
Ros, J., (395) 305
Royo, G., (395) 1

Satgé, J., (395) 27
Saxcé, A. de, (395) 1
Sayer, B.G., (395) 177
Schmid, G., (395) 39
Shibasaki, M., (395) 255
Shiu, K.-B., (395) C47
Smallridge, A.J., (395) C39
Solans, X., (395) 305
Song, L., (395) 219
Stang, P.J., (395) 219
Steel, P.J., (395) 359, 375
Stephan, C., (395) C42
Stephenson, G.R., (395) C5
Sundermeyer, J., (395) C9
Sutherland, R.G., (395) 293
Swanson, S., (395) C5

Taube, R., (395) 341
Theiler, H.G., (395) 69
tom Dieck, H., (395) C42
Tremmel, J., (395) 69

Umakoshi, K., (395) 47
Uozumi, Y., (395) 255

Wagner, I., (395) C23
Wang, J., (395) 113
Wedler, M., (395) C26
Woollam, S.F., (395) C9

Yáñez, R., (395) 305
Yang, Y.Y., (395) 279
Young, J.C., (395) 1

Zhang, C.H., (395) 293
Zsolnai, L., (395) C30

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 395

SUBJECT INDEX

Boron

(3-Chloro-2-methylenecycloalkyl)palladium chloride dimers, reactivity of; coupling with phenyl nucleophiles (W.A. Donaldson, J. Wang), (395) 113

Calcium

Calcium and strontium, and zinc (phenazine)$^{-\cdot}$ species (G.E. Jacobsen, C.L. Raston), (395) C1

Chromium

$[CpCr(CO)_3]_2(\mu\text{-}SnCl_2)$ and $CpCrCl_2(THF)$, isolation from the insertion-displacement of Se in $Cp_2Cr_2(CO)_4Se$ with $SnCl_2$; crystal structure of $CpCrCl_2(CH_3CN)$ ($Cp=\eta^5\text{-}C_5H_5$) (L.Y. Goh, T.W. Hambley), (395) 269

Hexaphenylbenzene chromium tricarbonyl, fluxional behaviour of; variable-temperature ^{13}C NMR spectroscopic study (B. Mailvaganam, B.G. Sayer, M.J. McGlinchey), (395) 177

Germanium

Bis(dimethylgermyl)alkaneruthenium tetracarbonyls, synthesis and cleavage reactions of (J. Barrau, N. Ben Hamida, J. Satgé), (395) 27

Group IVB organobimetallic compounds, reactions with electrophilic reagents (S.I. Bobrovskii, Yu.G. Bundel), (395) 121

Iridium

Tosyliminooxosulphurane, factors affecting coordination geometry in complexes of (M. Herberhold, A.F. Hill), (395) 195

Iron

η^4-Coordinated (*s-cis*)-1-molybda-2-phospha-1,3-dienes, stepwise formation of (H. Lang, M. Leise, L. Zsolnai, M. Fritz), (395) C30

2–6-η^5-Cyclohexadienone-η^5-cyclopentadienyliron and some related systems (A. Piórko, C.H. Zhang, R.S. Reid, C.C. Lee, R.G. Sutherland), (395) 293

Dinuclear alkenyl-bridged iron–nickel and diiron complexes, synthesis of; crystal structure of $[Fe_2(CO)_4(C_5H_5)(\mu\text{-}CO)(\mu\text{-}CPh{=}CPhH)]$ (I. Moldes, J. Ros, R. Yáñez, R. Mathieu, X. Solans, M. Font-Bardía), (395) 305

Tricarbonyl(η^5-cyclohexadienyl)iron(1+)complexes, phenyl directing groups in the demethoxylation route to (D.A. Owen, G.R. Stephenson, H. Finch, S. Swanson), (395) C5

(Tricarbonyl)(η^5-2-methylpentadienyl)iron(+1) cation, synthesis and reactivity of (W.A. Donaldson), (395) 187

Lead

Group IVB organobimetallic compounds, reactions with electrophilic reagents (S.I. Bobrovskii, Yu.G. Bundel), (395) 121

Magnesium

Titanium–nitrogen complexes, reaction with acid halides and acid anhydrides (M. Mori, Y. Uozumi, M. Shibasaki), (395) 255

Molybdenum

$AgNO_3$ as nitrosylation reagent (K.-B. Shiu, C.-J. Chang), (395) C47

η^4-Coordinated (*s-cis*)-1-molybda-2-phospha-1,3-dienes, stepwise formation of (H. Lang, M. Leise, L. Zsolnai, M. Fritz), (395) C30

Dicyclopentadienyl-molybdenum and -tungsten *p*-substituted benzonitrile complexes, syntheses and reactivity of; oxidative electrochemistry; crystal structure of $[Mo(\eta^5\text{-}C_5H_5)_2(SC_6H_5)(p\text{-}(CH_3)_2NC_6H_4CN)][PF_6]$ (M.A.A.F. de C.T. Carrondo, A.R. Dias, M.H. Garcia, P.M. Matias, M.P. Robalo, M.L.H. Green, J. Higgins, Y.Y. Yang), (395) 279

Pentamethylcyclopentadienyltetrachloromolybdenum(V), reactivity of; synthesis, structure and electrochemical properties of $[(\eta^5\text{-}C_5Me_5)MoOCl]_2O$ (K. Omakoshi, K. Isobe), (395) 47

Neodymium

Organolanthanoid(II) complexes, non-classical; preparation and reactivity of the first organoneodymium(II) compound (M. Wedler, A. Recknagel, F.T. Edelmann), (395) C26

Nickel

Cationic η^3,η^2-octa-2-(*E*),7-dien-1-yl(ligand)nickel(II) complexes, $[Ni(C_8H_{13})L]X$ ($X = PF_6$, BF_4; $L = P^{III}$-ligand), as catalysts for the stereospecific polymerisation of butadiene (R. Taube, J.-P. Gehrke, P. Böhme, J. Köttnitz), (395) 341

Dinuclear alkenyl-bridged iron–nickel and diiron complexes, synthesis of; crystal structure of $[Fe_2(CO)_4(C_5H_5)(\mu\text{-}CO)(\mu\text{-}CPh{=}CPhH)]$ (I. Moldes, J. Ros, R. Yáñez, R. Mathieu, X. Solans, M. Font-Bardía), (395) 305

Osmium

Osmium *ortho*-metallated ketazine complex, $\overline{OsH(CO)_2\text{-}[(C_6H_3\text{-}p\text{-}Me)(p\text{-tolyl})CNNC(p\text{-tolyl})_2]}(PPh_3)$, synthesis and structure of (M.A. Gallop, C.E.F. Rickard, W.R. Roper), (395) 333

$[Ru_3(CO)_{12}]$ and $[Os_3(CO)_{12}]$, halogenation behaviour of bidentate ligand-bridged derivatives of (J.S. Field, R.J. Haines, J.A. Jay), (395) C16

Tolyliminooxosulphurane, coordinative activation towards electrophiles (M. Herberhold, A.F. Hill), (395) 207

Tosyliminooxosulphurane, coupling with ethylene, allene, and alkynes coordinated to osmium (M. Herberhold, A.F. Hill), (395) 315

Tosyliminooxosulphurane, factors affecting coordination geometry in complexes of (M. Herberhold, A.F. Hill), (395) 195

Tosyliminooxosulphurane, insertion reactions with coordinatively unsaturated ruthenium and osmium aryl complexes (M. Herberhold, A.F. Hill), (395) 327

Palladium

(3-Chloro-2-methylenecycloalkyl)palladium chloride dimers, reactivity of; coupling with phenyl nucleophiles (W.A. Donaldson, J. Wang), (395) 113

Cyclopalladated *N*-nitrosoanilines, reactions with Sn^{IV} reagents; crystal structure of the bis cyclopalladated complex *cis*-$Pd\{ONN(CH_3)(C_6H_4)\}_2$ (A. Albinati, S. Affolter, P.S. Pregosin), (395) 231

Cyclopalladation of 5-(1-hexyl)-2{[4′-(1-undecyloxy)phenyl]}pyrimidine; synthesis and characterization of mononuclear complexes (M. Ghedini, D. Pucci), (395) 105

Cyclopalladation of 2-phenylpyrimidines with pendant pyrazole donors (G.B. Caygill, P.J. Steel), (395) 375

Diazadiene palladium(0) catalysed 2:2-cycloaddition of alkynes and allenes; preparation of naphthalin-2,3,6,7-tetracarboxylic acid derivatives (C. Munz, C. Stephan, H. tom Dieck), (395) C42

Double cyclopalladation of diphenyl pyrazines and related ligands (P.J. Steel, G.B. Caygill), (395) 359

Mono- and diarylacetylenes, synthesis of (M.I. Al-Hassan), (395) 227

Phosphorus

Bis(dimethylgermyl)alkaneruthenium tetracarbonyls, synthesis and cleavage reactions of (J. Barrau, N. Ben Hamida, J. Satgé), (395) 27

$[(\eta^5\text{-}C_5H_5)(PMe_3)_2Ru{=}C{=}C(Me)Ph]^+$ cationic ruthenium vinylidene complex, stereoselective reaction with sodium cyanide (S.G. Davies, A.J. Smallridge), (395) C39

η^4-Coordinated (*s-cis*)-1-molybda-2-phospha-1,3-dienes, stepwise formation of (H. Lang, M. Leise, L. Zsolnai, M. Fritz), (395) C30

Osmium *ortho*-metallated ketazine complex, $\overline{OsH(CO)_2\text{-}[(C_6H_3\text{-}p\text{-}Me)(p\text{-tolyl})CNNC(p\text{-tolyl})_2]}(PPh_3)$, synthesis and structure of (M.A. Gallop, C.E.F. Rickard, W.R. Roper), (395) 333

Rhodium and platinum complexes of tetraphenylhexapentaene; X-ray crystal structure of bis(triphenylphosphine)chloro(tetraphenylhexapentaene)rhodium (L. Song, A.M. Arif, P.J. Stang), (395) 219

$[Ru_3(CO)_{12}]$ and $[Os_3(CO)_{12}]$, halogenation behaviour of bidentate ligand-bridged derivatives of (J.S. Field, R.J. Haines, J.A. Jay), (395) C16

$[Ru_2(CO)_5(solvent)\{\mu\text{-}(RO)_2PN(Et)P(OR)_2\}_2]^{2+}$ solvento species, synthesis of; its potential as a source for a wide range of dinuclear derivatives of ruthenium (J.S. Field, R.J. Haines, U. Honrath, J. Sundermeyer, S.F. Woollam), (395) C9

2,4,6-Tri-t-butylphenylseleno compounds of gold(I) and mercury(II) (I. Wagner, W.-W. du Mont), (395) C23

Platinum

Rhodium and platinum complexes of tetraphenylhexapentaene; X-ray crystal structure of bis(triphenylphosphine)chloro(tetraphenylhexapentaene)rhodium (L. Song, A.M. Arif, P.J. Stang), (395) 219

Rhenium

Hexahydrido(η^5-pentamethylcyclopentadienyl)rhenium(VII), $(\eta^5\text{-}C_5Me_5)ReH_6$, reactions of; gas-phase and crystal structure of (W.A. Herrmann, H.G. Theiler, P. Kiprof, J. Tremmel, R. Blom), (395) 69

Methyltrioxorhenium(VII) metallo-acid, addition of anionic and neutral bases to; crystal structure of a 2,2′-bipyridinium perrhenate (W.A. Herrmann, J.G. Kuchler, P. Kiprof, J. Riede), (395) 55

Rhodium

Rhodium and platinum complexes of tetraphenylhexapentaene; X-ray crystal structure of bis(triphenylphosphine)chloro(tetraphenylhexapentaene)rhodium (L. Song, A.M. Arif, P.J. Stang), (395) 219

Tosyliminooxosulphurane, factors affecting coordination geometry in complexes of (M. Herberhold, A.F. Hill), (395) 195

Ruthenium

Bis(dimethylgermyl)alkaneruthenium tetracarbonyls, synthesis and cleavage reactions of (J. Barrau, N. Ben Hamida, J. Satgé), (395) 27

$[(\eta^5\text{-}C_5H_5)(PMe_3)_2Ru{=}C{=}C(Me)Ph]^+$ cationic ruthenium vinylidene complex, stereoselective reaction with sodium cyanide (S.G. Davies, A.J. Smallridge), (395) C39

Hydrotris(pyrazol-1-yl)boratoruthenium(II) complexes, synthesis of (A.F. Hill), (395) C35

$[Ph_3PCH_2CH_2PPh_3^{2+}][Ru_{10}(\mu_6\text{-}C)_2(CO)_{20}(\mu\text{-}CO)_4^{2-}]\cdot 2Me_2CO$, crystal structure of; the severely disordered structure of $[NEt_4^+]_2[Ru_{10}(\mu_6\text{-}C)_2(CO)_{20}(\mu\text{-}CO)_4^{2-}$ (M.R. Churchill, C. Bueno, A.L. Rheingold), (395) 85

$[Ru_3(CO)_{12}]$ and $[Os_3(CO)_{12}]$, halogenation behaviour of bidentate ligand-bridged derivatives of (J.S. Field, R.J. Haines, J.A. Jay), (395) C16

$[Ru_2(CO)_5(solvent)\{\mu\text{-}(RO)_2PN(Et)P(OR)_2\}_2]^{2+}$ solvento species, synthesis of; its potential as a source for a wide range of dinuclear derivatives of ruthenium (J.S. Field, R.J. Haines, U. Honrath, J. Sundermeyer, S.F. Woollam), (395) C9

Tolyliminooxosulphurane, coordinative activation towards electrophiles (M. Herberhold, A.F. Hill), (395) 207

Tosyliminooxosulphurane, factors affecting coordination geometry in complexes of (M. Herberhold, A.F. Hill), (395) 195

Tosyliminooxosulphurane, insertion reactions with coordinatively unsaturated ruthenium and osmium aryl complexes (M. Herberhold, A.F. Hill), (395) 327

Selenium

$[CpCr(CO)_3]_2(\mu\text{-}SnCl_2)$ and $CpCrCl_2(THF)$, isolation from the insertion-displacement of Se in $Cp_2Cr_2(CO)_4Se$ with $SnCl_2$; crystal structure of $CpCrCl_2(CH_3CN)$ ($Cp{=}\eta^5\text{-}C_5H_5$) (L.Y. Goh, T.W. Hambley), (395) 269

Organolanthanoid(II) complexes, non-classical; preparation and reactivity of the first organoneodymium(II) compound (M. Wedler, A. Recknagel, F.T. Edelmann), (395) C26
2-(2-Pyridyl)phenyl selenium compounds, synthesis and properties of; crystal structure of 2-(2-pyridyl)phenylselenium(II) tribromomercurate(II) (S.A. Mbogo, T.S. Lobana, W.R. McWhinnie, M.R. Greaves, T.A. Hamor), (395) 167
2,4,6-Tri-t-butylphenylseleno compounds of gold(I) and mercury(II) (I. Wagner, W.-W. du Mont), (395) C23

Silicon

Group IVB organobimetallic compounds, reactions with electrophilic reagents (S.I. Bobrovskii, Yu.G. Bundel), (395) 121
$[(Me_3Si)_2CH]_2Sn(Cl)N(H)(C_6H_2$-2,4,6-t-$Bu_3)$ and $[(Me_3Si)_2CH]_2Sn(F)N(H)(C_6H_2$-2,4,6-t-$Bu_3)$, syntheses and crystal structures of (A. Raharinirina, R. Boese, G. Schmid), (395) 39
Mono- and diarylacetylenes, synthesis of (M.I. Al-Hassan), (395) 227
Silicon compounds, pentacoordinated; intramolecular ring closure, site preferences of substituents and the stability of the resulting chelates (R.J.P. Corriu, A. Kpoton, M. Poirier, G. Royo, A. de Saxcé, J.C. Young), (395) 1
2,4,6-Tri-t-butylphenylseleno compounds of gold(I) and mercury(II) (I. Wagner, W.-W. du Mont), (395) C23

Silver

$AgNO_3$ as nitrosylation reagent (K.-B. Shiu, C.-J. Chang), (395) C47

Strontium

Calcium and strontium, and zinc (phenazine)$^{-\cdot}$ species (G.E. Jacobsen, C.L. Raston), (395) C1

Tin

$[CpCr(CO)_3]_2(\mu$-$SnCl_2)$ and $CpCrCl_2(THF)$, isolation from the insertion-displacement of Se in $Cp_2Cr_2(CO)_4Se$ with $SnCl_2$; crystal structure of $CpCrCl_2(CH_3CN)$ ($Cp=\eta^5$-C_5H_5) (L.Y. Goh, T.W. Hambley), (395) 269
Cyclopalladated *N*-nitrosoanilines, reactions with Sn^{IV} reagents; crystal structure of the bis cyclopalladated complex *cis*-$Pd\{ONN(CH_3)(C_6H_4)\}_2$ (A. Albinati, S. Affolter, P.S. Pregosin), (395) 231
Group IVB organobimetallic compounds, reactions with electrophilic reagents (S.I. Bobrovskii, Yu.G. Bundel), (395) 121
$[(Me_3Si)_2CH]_2Sn(Cl)N(H)(C_6H_2$-2,4,6-t-$Bu_3)$ and $[(Me_3Si)_2CH]_2Sn(F)N(H)(C_6H_2$-2,4,6-t-$Bu_3)$, syntheses and crystal structures of (A. Raharinirina, R. Boese, G. Schmid), (395) 39

Titanium

Titanium–nitrogen complexes, reaction with acid halides and acid anhydrides (M. Mori, Y. Uozumi, M. Shibasaki), (395) 255

Tungsten

$AgNO_3$ as nitrosylation reagent (K.-B. Shiu, C.-J. Chang), (395) C47
Dicyclopentadienyl-molybdenum and -tungsten *p*-substituted benzonitrile complexes, syntheses and reactivity of; oxidative electrochemistry; crystal structure of $[Mo(\eta^5$-$C_5H_5)_2(SC_6H_5)(p$-$(CH_3)_2NC_6H_4CN)][PF_6]$ (M.A.A.F. de C.T. Carrondo, A.R. Dias, M.H. Garcia, P.M. Matias, M.P. Robalo, M.L.H. Green, J. Higgins, Y.Y. Yang), (395) 279

Zinc

Calcium and strontium, and zinc (phenazine)$^{-\cdot}$ species (G.E. Jacobsen, C.L. Raston), (395) C1

Book reviews

Advances in metal-organic chemistry, Volume 1; edited by L.S. Liebeskind (P.A. Chaloner), (395) C51
Carbyne complexes; by H. Fischer, P. Hofmann, F.R. Kreissl, R.R. Schrock, U. Schubert and K. Weiss (M.F. Lappert), (395) C21
Organic functional group preparations, Volume 12-III, second edition; by S.R. Sandler and W. Karo (P.A. Chaloner), (395) C52
Organometallics in organic synthesis 2; edited by H. Werner and G. Erker (P.A. Chaloner), (395) C53
The chemist's English, third edition; by R. Schoenfeld (C. Eaborn), (395) C54